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Worldwide English



NZM1-XMV - Interlock, mechanical, size 1



281581 NZM1-XMV

[Overview](#) [Specifications](#) [Resources](#)



281581 NZM1-XMV

Interlock, mechanical, size 1

EL-Nummer (Norway)

4359007

Optional accessories for the circuit-breaker series NZM offers a comprehensive portfolio of application options for use world wide. The mounting is always flexible and easy thanks to the modular function groups. Notes: allows interlocking of 2, 3 or up to 4 switches, including different construction sized switches, between digital inputs. For every switch an interlocking module NZM...-XMV and a rotary handle on switch NZM...-XDV or a door coupling rotary handle NZM...-XTVD and Bow den cables are required. Cannot be combined with UL/CSA door coupling rotary handles NZM...-XTV...-NA or paralleling mechanisms, side wall operators and remote operator as well as insulating surrounds. Can be used for: NZM1(-4), FN1(-4), N(S)1(-4)

- [Delivery program](#)
- [Design verification as per IEC/EN 61439](#)
- [Technical data ETIM 7.0](#)
- [Approvals](#)
- [Dimensions](#)

Delivery program

Description

Allows interlocking of 2, 3 or 4 switches, including different construction sized switches, with NZM-XBZ... Bow den cables.

For use with

NZM1(-4)
FN1(-4), N(S)1(-4)

Notes

Cannot be combined with NZM...-XTV...-NA door coupling rotary handles.

At least 2 interlock modules are required in order to assemble a mechanical interlock.

Possible combinations and interlock versions Engineering

Order Bow den cable separately.

Design verification as per IEC/EN 61439

IEC/EN 61439 design verification

10.2 Strength of materials and parts 10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.7 Inscriptions
Meets the product standard's requirements.

10.3 Degree of protection of ASSEMBLIES
Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances
Meets the product standard's requirements.

10.5 Protection against electric shock
Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components
Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections
Is the panel builder's responsibility.

10.8 Connections for external conductors
Is the panel builder's responsibility.

10.9 Insulation properties 10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.

10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material
Is the panel builder's responsibility.

10.10 Temperature rise
The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating
Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility
Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function
The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

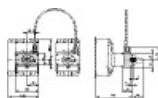
Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Mechanic interlock for switch (EC001044)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Mechanic interlock for switch (ecl@ss10.0.1-27-37-13-03 [AKN341013])
Auxiliary contacts, extendable
No
Number of contacts as normally closed contact
0
Number of contacts as normally open contact
0

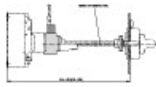
Approvals

Product Standards
UL489; CSA-C22.2 No. 5-09; IEC60947, CE marking
UL File No.
E140305
UL Category Control No.
DIHS
CSA File No.
022086
CSA Class No.
1437-01
North America Certification
UL listed, CSA certified

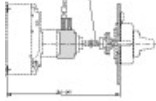
Dimensions



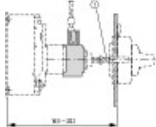
NZM1-XMV + NZM1-XDV(R)



NZM1-XMV + NZM1-XTVD(V)(R)



NZM1-XMV + NZM1-XTVD(V)(R)-60



NZM1-XMV + NZM1-XTVD(V)(R)-0

Special tip

CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

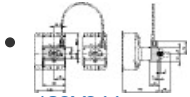
DWG files

- [DA-CD-nzmf_xmv](#)
File
(Web)

Step files

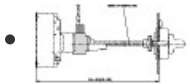
- [DA-CS-nzmf_xmv](#)
File
(Web)

Dimensions single product



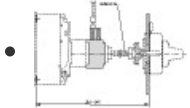
[123X344](#)

Line drawing
Mechanical interlock



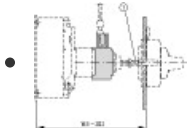
[123X468](#)

Line drawing
Mechanical interlock



[123X475](#)

Line drawing
Mechanical interlock



[123X483](#)

Line drawing
Mechanical interlock
 Special tip

3D drawing

- [123I658](#)

Line drawing
Mechanical interlock

Product photo



1230PIC-766
Photo

Instruction Leaflet

- [IL01219012Z](#)
Asset
(PDF, Language independent)

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